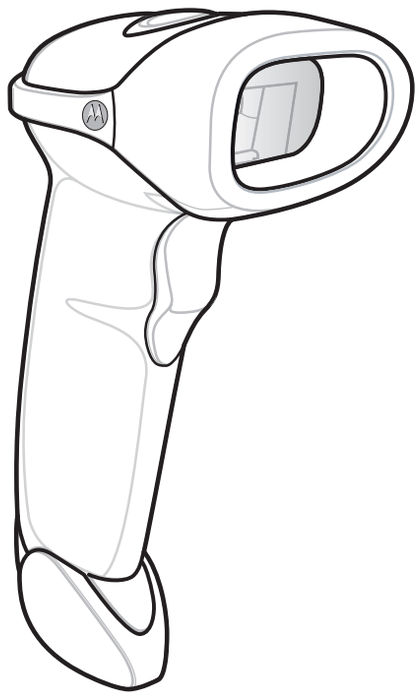
LS2208
Quick Start Guide

http://www.motorola.com/ls2208

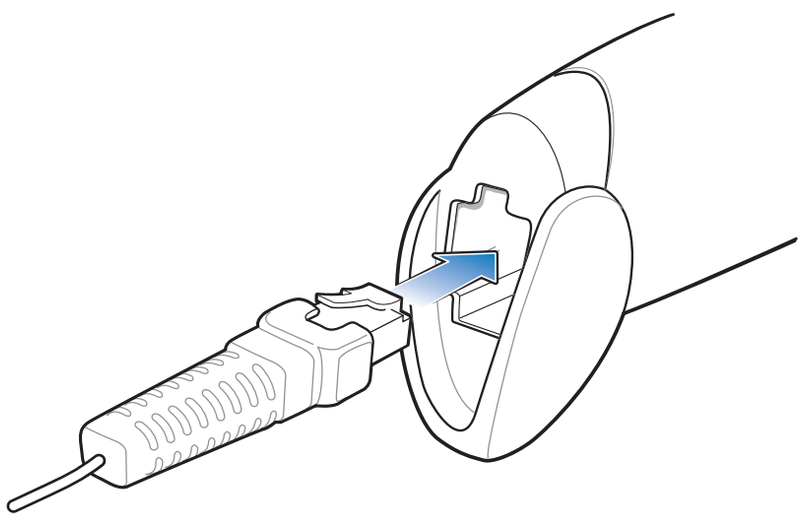
POST IN WORK AREA



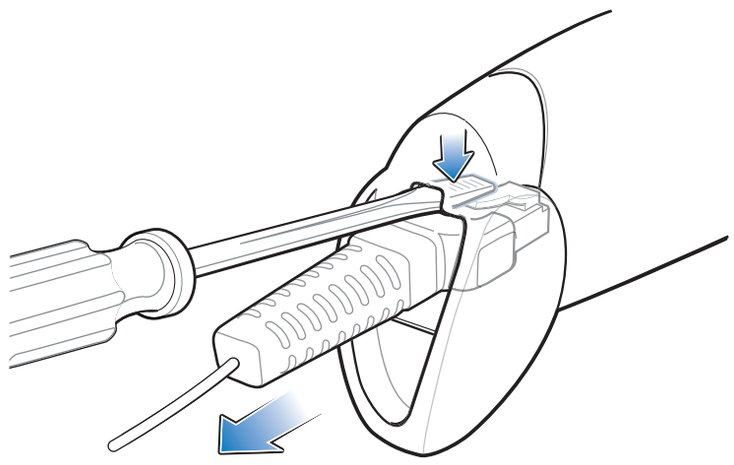
See Product Reference Guide for detailed information

STEP 1 - ATTACH CABLE TO SCANNER

Attach Cable



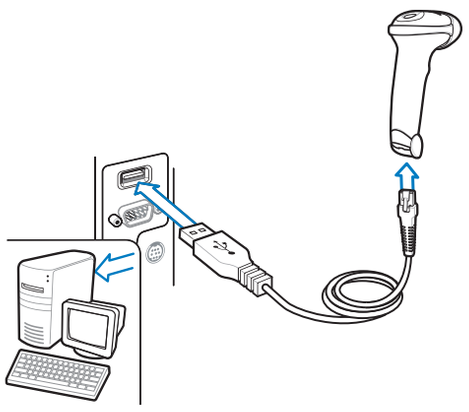
Remove Cable (to change interface)



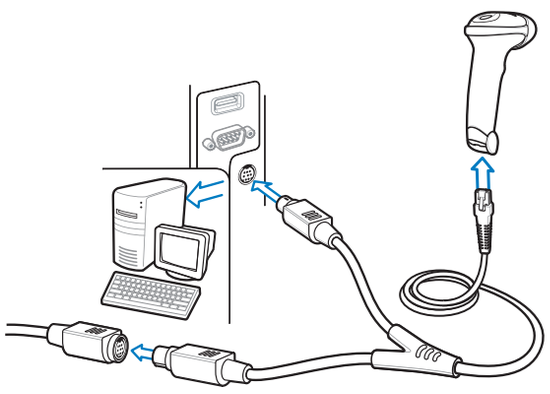
STEP 2 -CONNECT CABLE TO A HOST

NOTE: Cables may vary depending on configuration.

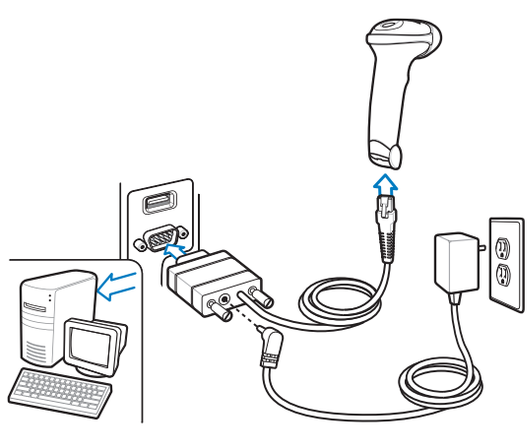
USB



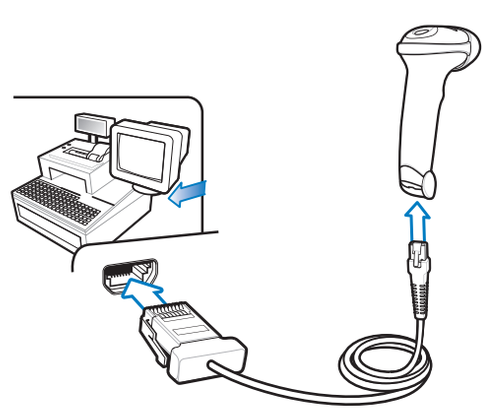
Keyboard Wedge



RS-232



IBM 46XX



STEP 3 - SET UP INTERFACE (Scan Host Bar Codes)

Important: *Out of box, Keyboard Wedge and USB interfaces require no bar code scan setup. Bar codes are provided for complex programming or interface changes.*

USB

*Scan **ONE** of the bar codes below*

IBM HAND-HELD USB

HID KEYBOARD EMULATION

Keyboard Wedge

*Scan **ONE** of the bar codes below*

IBM AT Notebook

IBM PC/AT and IBM PC COMPATIBLE

RS-232

*Scan **ONE** of the bar codes below*

OPOS/JPOS

STANDARD RS-232

IBM 46XX

*Scan **ONE** of the bar codes below*

ADD AN ENTER KEY (CARRIAGE RETURN/LINE FEED)

*To add an **ENTER** key after scanned data, scan all THREE bar codes below in numerical order.*

1

SCAN OPTIONS

2

<DATA><SUFFIX>

3

ENTER

ADD A TAB KEY

*To add a **Tab** key after scanned data, scan all THREE **Enter** key bar codes above in numerical order then scan all FIVE bar codes below in numerical order.*

1

SCAN SUFFIX

2

7

3

0

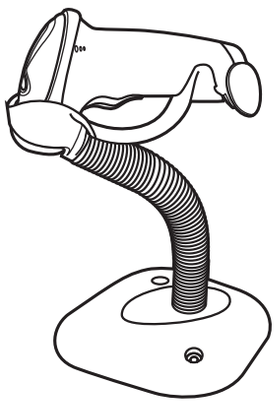
4

0

5

9

HANDS FREE STAND



SET DEFAULTS

Return to Factory Defaults

SET DEFAULTS

OPTIMUM SCANNING

123SCAN²

123Scan² is an easy-to-use, PC-based software tool that enables rapid and easy customized setup via a bar code or USB cable. For more information, visit: http://www.motorola.com/123Scan².

LED Indications

Off — Scanner is on and ready to scan, or no power to scanner

Green — Bar code is successfully decoded

Red — Transmission error

Beeper Indications

Standard Use

Low/medium/high beep — Power up

Short medium beep — Bar code decoded

4 long low beeps — Transmission error detected, data is ignored

Parameter Menu Scanning

High/low/high/low beep — Successful parameter setting

High/low beep — Correct programming sequence performed

Low/High beep — Incorrect programming sequence or 'Cancel' bar code scanned

Troubleshooting

Scanner not working

No power to scanner — Check system power; ensure power supply, if required, is connected

Incorrect interface cable used — Ensure that correct interface cable is used

Interface/power cables are loose — Ensure all cable connections are secure

Scanner decoding bar code, but data not transmitting to host

Scanner not programmed for correct host interface — Scan appropriate host parameter bar codes

Interface cable is loose — Ensure all cable connections are secure

Scanned data incorrectly displayed on host

Scanner not programmed for correct host interface — Scan appropriate host parameter bar codes

Scanner not decoding bar code

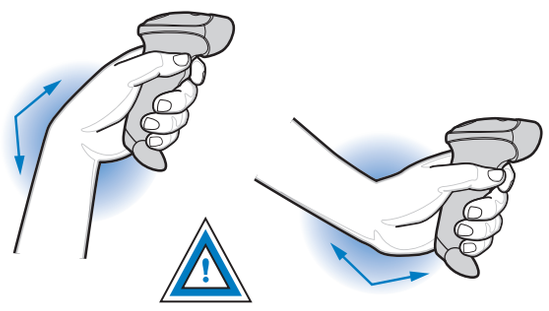
Scanner not programmed for bar code type — Ensure scanner is programmed to read type of bar code being scanned

Bar code unreadable — Ensure bar code not defaced; try scanning test bar code of same bar code type

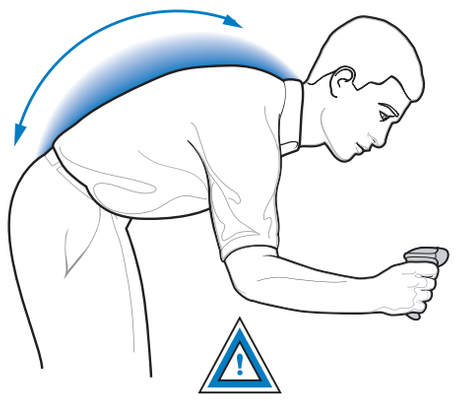
Distance between scanner and bar code incorrect — Move scanner closer to or further from bar code

RECOMMENDED USAGE GUIDE - OPTIMUM BODY POSTURE

Avoid Extreme Wrist Angles



Avoid Bending



Avoid Reaching

Ergonomic Recommendations

Caution: **In order to avoid or minimize the potential risk of ergonomic injury follow the recommendations below. Consult with your local Health & Safety Manager to ensure that you are adhering to your company's safety programs to prevent employee injury.**

- Reduce or eliminate repetitive motion
- Maintain a natural position
- Reduce or eliminate excessive force
- Keep objects that are used frequently within easy reach
- Perform tasks at correct heights
- Reduce or eliminate vibration
- Reduce or eliminate direct pressure
- Provide adjustable workstations
- Provide adequate clearance
- Provide a suitable working environment
- Improve work procedures.

REGULATORY INFORMATION

© MOTOROLA, INC. 2012 All rights reserved.
Motorola reserves the right to make changes to any product to improve reliability, function, or design. Motorola does not assume any product liability arising out of, or in connection with, the application or use of any product, circuit, or application described herein. No license is granted, either expressly or by implication, estoppel, or otherwise under any patent right or patent, covering or relating to any combination, system, apparatus, machine, material, method, or process in which Motorola products might be used. An implied license exists only for equipment, circuits, and subsystems contained in Motorola products.

Power Supply

Use ONLY a Motorola approved UL LISTED ITE (IEC/EN 60950-1, LPS) power supply with electrical ratings: output 5 Vdc, min 850mA with a maximum ambient temperature of at least 50 degrees C. Use of an alternative power supply will invalidate any approvals given to this unit and may be dangerous.

Warranty

For the complete Motorola hardware product warranty statement, go to:
http://www.motorolasolutions.com/warranty

Service Information

If you have a problem using the equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Motorola Solutions Support at:
http://www.motorolasolutions.com/support

Waste Electrical and Electronic Equipment (WEEE)

English: For EU Customers: All products at the end of their life must be returned to Motorola for recycling. For information on how to return product, please go to: http://www.motorola.com/recycling/weee.

Български: За клиенти от ЕС: След края на полезния им живот всички продукти трябва да се връщат на Motorola за рециклиране. За информация относно връщането на продукти, моля отидете на адрес: http://www.motorola.com/recycling/weee.

Čeština: Pro zákazníky z EU: Všechny produkty je nutné po skončení jejich životnosti vrátit společnosti Motorola k recyklaci. Informace o způsobu vrácení produktu najdete na webové stránce: http://www.motorola.com/recycling/weee.

Dansk: Til kunder i EU: Alle produkter skal returneres til Motorola til recirkulering, når de er udtjent. Læs oplysningerne om returnering af produkter på: http://www.motorola.com/recycling/weee.

Deutsch: Für Kunden innerhalb der EU: Alle Produkte müssen am Ende ihrer Lebensdauer zum Recycling an Motorola zurückgesandt werden. Informationen zur Rücksendung von Produkten finden Sie unter http://www.motorola.com/recycling/weee.

Ελληνικά: Για πελάτες στην Ε.Ε.: Όλα τα προϊόντα, στο τέλος της διάρκειας ζωής τους, πρέπει να επιστρέφονται στην Motorola για ανακύκλωση. Για περισσότερες πληροφορίες σχετικά με την επιστροφή ενός προϊόντος, επισκεφθείτε τη διεύθυνση http://www.motorola.com/recycling/weee στο Διαδίκτυο.

Eesti: EL klientidele: kõik tooted tuleb nende eluea lõppedes tagastada taaskasutamise eesmärgil Motorola'le. Lisainformatsiooni saamiseks toote tagastamise kohta külastage palun aadressi: http://www.motorola.com/recycling/weee.

Español: Para clientes en la Unión Europea: todos los productos deberán entregarse a Motorola al final de su ciclo de vida para que sean reciclados. Si desea más información sobre cómo devolver un producto, visite: http://www.motorola.com/recycling/weee.

Français : Clients de l'Union Européenne : Tous les produits en fin de cycle de vie doivent être retournés à Motorola pour recyclage. Pour de plus amples informations sur le retour de produits, consultez : http://www.motorola.com/recycling/weee.

Italiano: per i clienti dell'UE: tutti i prodotti che sono giunti al termine del rispettivo ciclo di vita devono essere restituiti a Motorola all'fine di consentirne il riciclaggio. Per informazioni sulle modalità di restituzione, visitare il seguente sito Web: http://www.motorola.com/recycling/weee.

Lietuvoje: ES klientiėm: visi produkti pec tō kalpošanas mūža beigam ir janogada atpakaļ Motorola otrreizējai pārstrādei, Lai iegūtu informāciju par produktu nogādāšanu Motorola. Iīdzu, skatiet: http://www.motorola.com/recycling/weee.

Lietuvių: ES vartotojams: visi gaminiai, pasibaigus jų eksploatacijos laikui, turi būti grąžinti utilizuoti į kompaniją „Motorola". Daugiau informacijos, kaip grąžinti gaminį, rasite: http://www.motorola.com/recycling/weee.

Magyar: Az EU-ban vásárlóknak: Minden történt terméket a Motorola vállalathoz kell újrahasznosítás céljából visszajuttatni. A termék visszajuttatásának módjával kapcsolatos tudnivalókért látogasson el a http://www.motorola.com/recycling/weee weboldalra.

Malti: Ghal klijenti fl-UE: Il-prodotti kollha li jkunu waslu fl-aħħar tal-ħajja ta' l-użu tagħhom, iridu jiġu rritornati għand Motorola għar-riċiklaġġ. Għal aktar tagħrif dwar kif għandek tirritorna l-prodott, jekk joghġbok żur: http://www.motorola.com/recycling/weee.

Nederlands: Voor klanten in de EU: alle producten dienen aan het einde van hun levensduur naar Motorola te worden teruggezonden voor recycling. Raadpleeg http://www.motorola.com/recycling/weee voor meer informatie over het terugzenden van producten.

Polski: Klienci z obszaru Unii Europejskiej: Produkty wycofane z eksploatacji należy zwrócić do firmy Motorola w celu ich utylizacji. Informacje na temat zwrotu produktów znajdują się na stronie internetowej http://www.motorola.com/recycling/weee.

Português: Para clientes da UE: todos os produtos no fim de vida devem ser devolvidos à Motorola para reciclagem. Para obter informações sobre como devolver o produto, visite: http://www.motorola.com/recycling/weee.

Românesc: Pentru clienții din UE: Toate produsele, la sfârșitul duratei lor de funcționare, trebuie returnate la Motorola pentru reciclare. Pentru informații despre returnarea produsului, accesați: http://www.motorola.com/recycling/weee.

Slovenčina: Pre zákazníkov z krajín EU: Všetky výrobky musia byť po uplynutí doby ich životnosti vrátené spoločnosti Motorola na recykláciu. Bližšie informácie o vrátení výrobkov nájdete na: http://www.motorola.com/recycling/weee.

Slovenski: Za kupce v EU: vsi izdelki se morajo po poteku življenjske dobe vrniti podjetju Motorola za reciklažo. Za informacije o vračilu izdelka obiščite: http://www.motorola.com/recycling/weee.

Suomi: Asiakkaat Euroopan unionin alueella: Kaikki tuotteet on palautettava kierrätettäväksi Motorola-yhtiöön, kun tuotetta ei enää käytetä. Lisätietoja tuotteen palauttamisesta on osoitteessa http://www.motorola.com/recycling/weee.

Svenska: För kunder inom EU: Alla produkter som uppnått sin livslängd måste returneras till Motorola för återvinning. Information om hur du returnerar produkten finns på http://www.motorola.com/recycling/weee.

Türkçe: AB Müşterileri için: Kullanım süresi dolan tüm ürünler geri dönüştürme için Motorola'ya iade edilmelidir. Ürünlerin nasıl iade edileceği hakkında bilgi için lütfen şu adresi ziyaret edin: http://www.motorola.com/recycling/weee.

POST IN WORK AREA

MOTOROLA
Motorola, Inc. One Motorola Plaza , Holtsville, New York 11742-1300, USA
http://www.motorolasolutions.com

MOTOROLA, MOTO, MOTOROLA SOLUTIONS and the Stylized M Logo are trademarks or registered trademarks of Motorola Trademark Holding, LLC and are used under license. All other trademarks are the property of their respective owners. © Motorola, Inc. 2012, Inc. All rights reserved.

72-71882-01 Revision E December 2012

Laser Labels

In accordance with Clause 5, IEC 825 and EN60825, the following information is provided to the user:

ENGLISH
CLASS 1 — CLASS 1 LASER PRODUCT
CLASS 2 — LASER LIGHT DO NOT STARE INTO BEAM CLASS 2 LASER PRODUCT

DANISH / DANSK
KLASSE 1 — KLASSE 1 LASERPRODUKT
KLASSE 2 — LASERLYF SE IKKE IND I STRÅLEN KLASSE 2 LASERPRODUKT

DUTCH / NEDERLANDS
KLASSE 1 — KLASSE-1 LASERPRODUKT
KLASSE 2 — LASERLICHT NIET IN STRAAL STAREN KLASSE-2 LASERPRODUKT

FINNISH / SUOMI
LUOKKA 1 — LUOKKA 1 LASERTUOTE
LUOKKA 2 — LASERVALO ÄLÄ TUIJOTA SÄDETTÄ LUOKKA 2 LASERTUOTE

FRENCH / FRANÇAIS
CLASSE 1 — PRODUIT LASER DE CLASSE 1
CLASSE 2 — LUMIERE LASER NE PAS REGARDER LE RAYON FIXEMENT PRODUIT LASER DE CLASSE 2

GERMAN / DEUTSCH
KLASSE 1 — LASERPRODUKT DER KLASSE 1
KLASSE 2 — LASERSTRAHLEN NICHT DIREKT IN DEN LASERSTRAHL SCHAUEN LASERPRODUKT DER KLASSE 2

JAPANESE / 日本語
第1種 — 第1種レーザー製品
第2種 — レーザー光線 光線を見つめないでください 2種 レーザー製品

HEBREW
רמה 1 — מוצר לייזר רמה 1
רמה 2 — אור לייזר אין להביט אל תוך הזרם מוצר לייזר רמה 2

ITALIAN / ITALIANO
CLASSE 1 — PRODOTTO AL LASER DI CLASSE 1
CLASSE 2 — LUCE LASER NON FISSARE IL RAGGIOPRODOTTO AL LASER DI CLASSE 2

NORWEGIAN / NORSK
KLASSE 1 — LASERPRODUKT, KLASSE 1
KLASSE 2 — LASERLYS IKKE STIRR INN ILYSSTRÅLEN LASERPRODUKT, KLASSE 2

PORTUGUESE / PORTUGUÊS
CLASSE 1 — PRODUTO LASER DA CLASSE 1
CLASSE 2 — LUZ DE LASER NÃO FIXAR O RAIO LUMINOSO PRODUTO LASER DA CLASSE 2

SPANISH / ESPAÑOL
CLASE 1 — PRODUCTO LASER DE LA CLASE 1
CLASE 2 — LUZ LASER NO MIRE FIJAMENTE EL HAZ PRODUCTO LASER DE LA CLASE 2

SWEDISH / SVENSKA
KLASS 1 — LASERPRODUKT KLASS 1
KLASS 2 — LASERLJUS STIRRA INTE MOT STRÅLEN LASERPRODUKT KLASS 2

CHINESE / 简体中文
1 类 — 1 类激光产品
2 类 — 激光切勿注视光束 2 类激光产品

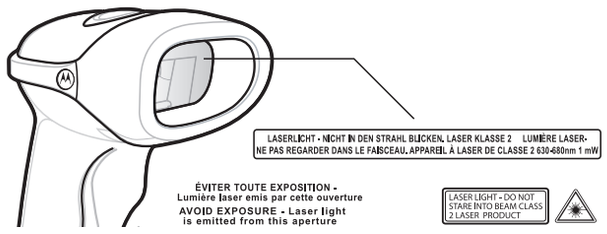
KOREAN / 한국어
1등급 — 1등급 레이저 제품
2등급 — 레이저 광선 이 광선을 주시하지 마십시오. 2등급 레이저 광선

For Australia Only

This warranty is given by Motorola Solutions Australia Pty Limited (ABN16 004 742 312) of Tally Ho Business Park, 10 Wesley Court. Burwood East, Victoria. Our goods come with guarantees that cannot be excluded under the Australia Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure. Motorola Solutions Australia's limited warranty above is in addition to any rights and remedies you may have under the Australian Consumer Law. If you have any queries, please call Motorola Solutions Australia at 1800 457 439. You may also visit our website:
http://www.motorola.com/Business/XA-EN/Pages/Contact_Us for the most updated warranty terms.

Ukraine

Дане обладнаннявідповідає вимогам технічного регламенту №1057, № 2008 щодо використання деяких небезпечних речовин в електричних та електронних пристроях.на обмеженнях


LASERLICHT - NICHT IN DEN STRAHL BLICKEN. LASER KLASSE 2 LUMIÈRE LASER-
NE PAS REGARDER DANS LE FAISCEAU. APPAREIL À LASER DE CLASSE 2 630-680nm 1 mW
ÉVITER TOUTE EXPOSITION -
Lumière laser emis par cette ouverture
AVOID EXPOSURE - Laser light
is emitted from this aperture
LASER LIGHT - DO NOT
STARE INTO BEAM CLASS
2 LASER PRODUCT

Regulatory Information

This device is approved under the Symbol Technologies, Inc. brand: Symbol Technologies is a wholly owned subsidiary of Motorola Solutions, Inc. (collectively "Motorola"). This guide applies to Model Number LS2208. All Motorola devices are designed to be compliant with rules and regulations in locations they are sold and will be labeled as required.

Local language translations are available at the following website:
http://www.motorolasolutions.com/support.

Laser Devices

Symbol products using lasers complies with 21CFR1040.10 and 1040.11 except for deviations pursuant to laser notice No. 50, dated June 24, 2007 and IEC 60825-1 (Ed. 2.0), EN60825-1:2007. The laser classification is marked on one of the labels on the product. Class 1 Laser devices are not considered to be hazardous when used for their intended purpose.

The following statement is required to comply with US and international regulations:

Caution: **Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.**

Class 2 laser scanners use a low power, visible light diode. As with any very bright light source, such as the sun, the user should avoid staring directly into the light beam. Momentary exposure to a Class 2 laser is not known to be harmful.

Radio Frequency Interference Requirements

Tested to comply with FCC Standards
FOR HOME OR OFFICE USE

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

Radio Frequency Interference Requirements – Canada

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Marking and European Economic Area (EEA)

CE

Statement of Compliance

Motorola hereby declares that this device is in compliance with all the applicable Directives, 2004/108/EC, 2006/95/EC and 2011/65/EU. A Declaration of Conformity may be obtained from the following web site: http://www.motorolasolutions.com/doc

Japan (VCCI) - Voluntary Control Council for Interference

この装置は、情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラス Ｂ情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。

This is a Class B product based on the standard of the Voluntary Control Council for Interference from Information Technology Equipment (VCCI). If this is used near a radio or television receiver in a domestic environment, it may cause radio interference. Install and use the equipment according to the instruction manual.